

Amendments to the Specification:

At page 16 of the original specification, replace the paragraph beginning at line 15 and ending at line 21 with the following substitute amended paragraph:

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This is part of the traditional key management problem typically associated with private key systems. The present invention reduces this problem's significance through reservoir replenishment, which allows for smaller reservoirs. In an ideal embodiment, an adversary will have zero information about the time at which this reservoir is replenished.